

# ADAM-6060

# ADAM-6015

# ADAM-6017

6 DI/6 Relay Module

7-channel RTD Module

8-channel Analog Input w/DO Module



ADAM-6060

CE FCC



ADAM-6015

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ADAM-6017

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## Specifications

- **Channels** 12
- **I/O Type** 6 Relay & 6 DI
- **Relay Output (Form A)** Contact Rating:  
AC: 120 V @ 0.5 A  
DC: 30 V @ 1 A  
Breakdown voltage: 500 V<sub>AC</sub> (50/60 Hz)  
Relay on time: 7 msec.  
Relay off time: 3 msec.  
Total switching time: 10 msec.  
Insulation resistance: 1000 MW minimum at 500V<sub>DC</sub>
- **Digital Input** Dry Contact:  
Logic level 0: close to GND  
Logic level 1: open  
Wet Contact:  
Logic level 0: +3 V<sub>max</sub>  
Logic level 1: +10 to 30 V<sub>DC</sub>
- **Optical Isolation** 2000V<sub>RMS</sub>
- **Power Consumption** 2 W (Typical)

## Specifications

- **Channels** 7 differential
- **Effective Resolution** 16-bit
- **Input Type** Pt, Balco and Ni RTD
- **RTD Types and Temperature Ranges**
  - PT-100 RTD
    - Pt-50° C to 150° C
    - Pt 0° C to 100° C
    - Pt 0° C to 200° C
    - Pt 0° C to 400° C
    - Pt-200° C to 200° C
    - IEC RTD 100 ohms.= 0.00385)
    - JIS RTD 100 ohms.= 0.00392)
  - Pt 1000 RTD
    - Pt -40° C to 160° C
  - Balco 500 RTD
    - 30° C to 120° C
  - Ni 50 RTD
    - 100° C
  - Ni 508 RTD
    - Ni 0° C to 100° C
- **Isolation Voltage** 2000 V<sub>DC</sub>
- **Sampling Rate** 10 samples / sec.
- **Input Impedance** 10 KΩ
- **Input Connections** 2 or 3 wire
- **Accuracy** ±0.05 % or better
- **Zero Drift** ±3 μV/° C
- **Span Drift** ±25 ppm/° C
- **CMR @ 50/60 Hz** 150 dB
- **NMR @ 50/60 Hz** 100 dB
- **Built-in Watchdog Timer**
- **Individual Wire Burn-out Detect**
- **Power Requirements** Unregulated +10 ~ +30 V<sub>DC</sub>
- **Power Consumption** 2 W

## Specifications

- **Analog Input**
- **Effective Resolution** 16-bit
- **Channels** 8 differential
- **Input Type** mV, V, mA
- **Input Range** ±150 mV, ±500 mV, ±5 V, ±10 V, 0-20 mA, 4-20 mA
- **Isolation Voltage** 2000 V<sub>DC</sub>
- **Fault and Overvoltage Protection** withstands overvoltage up to ±35 V
- **Sampling Rate** 10 samples/sec.
- **Input Impedance** 20 MΩ
- **Bandwidth** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy** ±0.1% or better
- **Zero Drift** ±6 μV/° C
- **Span Drift** ±25 ppm/° C
- **CMR @ 50/60 Hz** 92 dB min.
- **Digital Output**
- **Channels** 2  
Open Collector to 30 V  
100 mA max. load
- **Optical Isolation** 2000V<sub>RMS</sub>
- **Power**
- **Power Requirements** Unregulated +10 ~ +30 V<sub>DC</sub>
- **Power Consumption** 2 W
- **Built-in Watchdog Timer**

## Ordering Information

- **ADAM-6060** 6 Isolated Digital Input & 6 Relay Module

## Ordering Information

- **ADAM-6015** 7-channel RTD Input Module

## Ordering Information

- **ADAM-6017** 8-channel Analog Input with DO Module